INDIA INTERNATIONAL CONFERENCE ON INFORMATION PROCESSING (IICIP-2016) 12-14 August 2016

Tentative Schedule

Day 1: 12 August 2016

12 August 2016 -- 1.45pm-3.15pm		
Technical Session 1: Image and Signal Processing-I		
Paper ID	**Paper Title**	**Author Name**
8	Implementation of Improved Fractional Order Capacitor Approximations in Analog Circuits	Maneesha Gupta, Netaji Subas Institute Of Technology, Delhi; Richa Yadav, Indira Gandhi Delhi Technical University for Women, Delhi; Gull Kaur, Indira Gandhi Delhi Technical University for Women, Delhi
16	Enhancement of Inverse Synthetic Aperture Radar Image using Convolved High-order Instantaneous Moment	Rinki Gupta, Amity University Delhi; Rajendar Bahl, Indian Institute of Technology Delhi; Arun Kumar, Indian Institute of Technology Delhi
22	Efficient SNR Determination Algorithm for Lock-In Thermogaphy Defect Detection and Quantification	Deboshree Roy; Suneet Tuli Indian Institute of Technology Delhi
30	Broadband Stair Shaped Microstrip Patch Antenna for C-Band Applications	Waivaswat Manu Shukla, Amity University Rajasthan; Thingbaijam Rajkumari Chanu, National Institute of Technology Mizoram; Sanyog Rawat, Amity University Rajasthan; Kanad Ray, Amity University Rajasthan; Pushpendra Singh, Amity University Rajasthan
35	Eye-Blink Rate Detection for Fatigue Determination	Zeeshan Haq, Jamia Hamdard New Delhi; Ziaul Hasan, Meerut Institute of Technology, Uttar Pradesh
38	An Un-supervised Image Segmentation Technique based on Multi-Objective Gravitational Search Algorithm (MOGSA)	Pankaj Upadhyay, Jitender Chhabra National Institute of Technology Kurukshetra
53	Robust Tendering Implementation using	Shikha Sharma, Poornima College Of

	Selective Frame Video Steganography	Engineering Rajasthan; Devendra Somwanshi, Poornima College Of Engineering Rajasthan; Vijay Prakash Sharma, JECRC University Rajasthan
82	Image Analysis using Bateman Moment	Vishal Pandey; Ahsaas Bajaj; Jyotsna Singh, Harish Parthasarath Netaji Subhas Institute of Technology New Delhi
84	Measurement of Bifurcation Features in Retinal Fundus Images	Anju Rani, Thapar University Punjab; Deepti Mittal, Thapar University Punjab; Dr Ramesh K Sunkaria, National Institute Of Technology Jalandhar
448	Iris Recognition using 2-D Gabor Filter and XOR-SUM Code	Ritesh Vyas; Tirupathiraju Kanumuri; Gyanendra Sheoran National Institute Of Technology Delhi

12 August 2016 -- 1.45pm-3.15pm		
Technical Session 1: Soft Computing & Evolutionary Computing-I		
Paper ID	**Paper Title**	**Author Name**
21	Towards Formalizing Adaptive Software Services	Sonali Sharma; Rajeev Raje, Indiana University Purdue University Indianapolis, USA, Ruchika Malhotra, Delhi Technological University
94	Class/ Aspect Level Mutation Operators in Aspect-Oriented Software Systems	Vasundhara Bhatia; Abhishek Singhal Amity University, Noida
177	A Hybrid Approach for Test Case Prioritization and Optimization using Meta-Heuristics Techniques	Abhishek Singhal; Pavi Saraswat Amity University, Noida
184	Prioritization of Code Restructuring for Severely Affected Classes under Release Time Constraints	Sandhya Tarwani; Anuradha Chug Guru Gobind Singh Indraprastha University, Delhi
142	Fuzzy Logic based Decision Support System	Jagannath Wadgaonkar; Kalyani Bhole College of Engineering Pune
155	Prioritization Techniques in Combinatorial Testing: A Survey	Manuj Aggarwal; Sangeeta Sabharwal

		Netaji Subas Institute Of Technology, Delhi
185	Stepping Towards Dynamic Measurement for Object Oriented Software	Ashu Jain; Anuradha Chug Guru Gobind Singh Indraprastha University, Delhi

12 August 2016 -- 3.30pm-5.00pm		
Technical Session 1: Information Security-I		
Paper ID	**Paper Title**	**Author Name**
394	Smart monitoring and controlling of Wind farms based on WSN	Pallavi Jagtap; Arvind Hatkar Sir Visvesvaraya Institute of Technology, *Nashik*
60	Dual Segment Video Watermarking using Energy Efficient Technique	Indu Kumari, Delhi Technological University Delhi; Jeebananda Panda, Delhi Technological University Delhi; Nitish Goel, Delhi Technological University Delhi; Savita Kumari, Indira Gandhi University Delhi
135	Hybrid Connectivity Restoration Approach for WSANs	Harinder Kaur Shri Mata Vaishno Devi *University*, Jammu & Kashmir
162	Improving Lifetime of Wireless Sensor Networks by Mitigating Correlated Data using LEACH Protocol	Rajat Kandpal; Rajesh Singh G.B. Pant University of Agriculture and Technology, Pantnagar
183	Improved and Distributive Code Assignment Technique for Interference-Free CDMA Network	Imam Khursheed Indian School Of Mines, Dhanbad
257	Use of Reference Model for Formal Specification of NFR	Harsimran Kaur, Ashish Sharma GLA University, Mathura
418	Cloud Computing based Routing Protocol for Infrastructure-based Opportunistic Networks	Deepak Sharma; Sanjay Dhurandher; Akshay Kumar; Anil Kumar; Ankit Jha Netaji Subas Institute of Technology, Delhi
453	Investigative Evaluation for Obtaining a More Explicit QoS Data Measurement for LTE System	Sohaib bhat; Shalini Sah Amity University

12 August 2016 -- 3.30pm-5.00pm		
Technical Session 2: Soft Computing & Evolutionary Computing-II		
Paper ID	**Paper Title**	**Author Name**
7	An Analysis of Machine Learning Techniques (J48 & Adaboost) for Classification	Poonam Pandey; Radhika Prabhakar Centre for Development of Advanced Computing, Noida
152	Studying Daily Behavior Patterns using Fuzzy Networks	Neeraj Garg ,*Maharaja Agarsain Institute of Technology Delhi*; Jagdeep Lather, National Institute of Technology, Kurukshetra; Sanjay Dhurandher, Netaji Subas Institute Of Technology, Delhi
194	A Neural Network based Video Playback System	Anubhav Singh; Ketan Mundhra; Mratunjay Gupta; Rohan Lohia; Yash Kariwal Indian Institute of Technology Kharagpur
238	An Approach for Regression Test Case Selection and Prioritization for Object Oriented Software for Obfuscated Code	Ishita Kataria; Abhishek Singhal Amity University, Noida
281	Routing Using Ant Colony Optimization	Chandana M Amity University, Noida
395	Improved ANN-Based Algorithm for Detection and Classification of Faults on Transmission Lines	Farhana Fayaz; Abubakar Isa; H.K Verma; Soma Deb Sharda University, Greater Noida
402	Speed Control of Hybrid Electric Vehicle using PSO based Fractional Order PID controller	Palwinder Kaur; Vikas Kumar; Richa Sharma Thapar University, Punjab
449	Empirical Study of Various Weight Initialization Techniques for FFANN	MPS Bhatia, Netaji Subas Institute of Technology, Delhi; Veenu, Netaji Subas Institute of Technology, Delhi; Pravin Chandra, Guru Gobind Singh Indraprastha University, Delhi
356	Neuro-Fuzzy Based Approach To Event Driven Software Testing: A New Opportunity	Sunayana Chaudhury, Amity University Noida; Abhishek Singhal, Amity University Noida; Om Prakash Sangwan, Guru Jambheshwar University of Science & Technology, Haryana

Day 2: 13 August 2016

13 August 2016 -- 9.30am-11.00am

Technical Session 3: Soft Computing & Evolutionary Computing-III

Paper ID	Paper Title	Author Name
29	Inducing Factors for Search Engine Optimization Techniques: A Comparative Analysis	Darothi Sarkar; Surbhi Chhabra; Ravi Mittal Amity University Uttar Pradesh
126	A Skill based Pairing Scheme for Effective Collaborations	Sushma Hans; Shampa Chakraverty Netaji Subhas Institute of Technology Delhi
166	On the Probability of Appearance of Primary User in IEEE 802.22 WRAN using an Artificial Neural Network Learning Technique	Nitin Gupta, Netaji Subhas Institute of Technology Delhi; Sanjay Dhurandhe, Netaji Subhas Institute of Technology Delhi; Isaac Woungang, Ryerson University,Canada
176	An Energy Efficient GA based Routing Algorithm for Two-Tiered Sensor Networks	Payal Khurana Batra Jaypee Institute of Information Technology, Noida
192	PrEduSense: Smart Education Kit for Pre-Primary Classes using Intel® Real Sense	Zeenat Shareef; SRN Reddy Indira Gandhi Delhi Technical University for Women, Delhi
199	Improving Data Structure Operations for High Dimensional Data	Bhoomi Kapanchal; Vinit Gupta Hasmukh Goswami College of Engineering, Gujarat
207	Analysis and Modeling of a Safety Critical System using Petri-Net model	Karanjeet Yadvanshi; Santanu Rath National Institute of Technology Rourkela
229	DevOps – Moving from Delusion to Verity	Manish Virmani IBM
473	Node Movement based Neighbor Discovery in Opportunistic Networks	Prashant Kumar; Naveen Chauhan; Narottam Chand National Institute of Technology Hamirpur

13 August 2016 -- 9.30am-11.00am

Technical Session 2: Image and Signal Processing-II		
95	Comparative Evaluation of Two Segmentation Algorithms: Application on Liver Segmentation of CT Abdomen Images	Ritambhara Thakur; Deepti Mittal Thapar University, Punjab
116	High Speed Low Power Wireless Signal Timing Analysis on FPGA using Turbo Coding and Viterbi Algorithm	Shoban Mude, Osmania University, Hyderabad
117	A Robust Approach for Automatic Skin Cancer Disease Classification	Surya Singh; Anand Jalal, GLA University, Uttar Pradesh
120	Pan Sharpening of Hyperspectral Imagery using Spectral mixing-based Color Fidelity Model	Munmun Baisantry, Defence Research and Development Organization, Delhi; Ayushi Khare, Graphic Era University, Dehradun
122	Static Digital Signature Recognition and Verification using Neural Networks	Sushila Maheshkar; Prachi Chatham; Subhash Chandra Indian School of Mines Dhanbad
124	Restricted Posed Fish Category Recognition based on Contour Curvature	Jija Das Gupta; Bhabotosh Chanda Indian Statistical Institute, Kolkata
134	Effective Image Retrieval using Polar Cosine Transform and Local Binary Patterns	Pooja Sharma DAV University, Jalandhar
136	Application of Iterated Hilbert Transform for Deriving Respiratory Signal from Single-Lead ECG	Hemant Sharma; Kamalesh Kumar Sharma Malaviya National Institute of Technology Jaipur

13 August 2016 -- 9.30am-11.00am		
Technical Session 1: Data Mining & Data Warehousing-I		
Paper ID	**Paper Title**	**Author Name**
2	Performance Analysis of MySQL Partition, Hive Partition-Bucketing and Apache Pig	Sunny Kumar; Eesha Goel Giani Zail Singh Campus College of Engineering & Technology, Bathinda
46	IndiGov-O: An Ontology of Indian Government to Empower Digital Governance	Akshi Kumar Delhi Technological University Delhi
90	A Parallel Programming Solution of K-Means Clustering Analysis for INTELx64	Archana Singh; Shamita Malik; RichaSinghal

	Architecture	Amity University Uttar Pradesh
137	Personalizing Healthcare Services to Support Decision Making in Treatment of Cancer Patients using Ontology Alignment	Anirban Chakrabarty; Sudipta Roy Assam Central University, Assam
139	Comparing and Evaluating the Performance of WEKA Classifiers on Critical Disease.	Munaza Ramzan Amity University Noida
154	N-gram approach for a URL Similarity Measure	Neetu Singh, Central University of Himachal Pradesh; Narendra S. Chaudhari, *Visvesvaraya National Institute of Technology,* Nagpur
174	A Matrix Based Maximal Frequent Itemset Mining Algorithm with Subset Creation	Balwant Kumar; Dharmender Kumar Guru Jambheshwar University of Science & Technology, Hisar

13 August 2016 -- 1.45pm-3.15pm		
Technical Session 3: Image and Signal Processing-III		
Paper ID	**Paper Title**	**Author Name**
143	FPGA Implementation of different NRZ Line Coding Schemes	Gurashish Singh, *Bharati Vidyapeeth's College of Engineering*, New Delhi; Ankit Gupta, *Bharati Vidyapeeth's College of Engineering*, New Delhi; Kirti Gupta, Bharati *Vidyapeeth's College of Engineering*, New Delhi; Neeta Pandey, Delhi Technological University, New Delhi
182	Comparative Study of PEGASIS based Protocols in Wireless Sensor Networks	Anurag Singh; Rajesh Yadav Delhi Technological University, New Delhi
187	Word Boundary Detection for Gujarati Speech Recognition using In-ear Microphone.	Desai Vijayendra C K Pithawala College of Engineering and Technology, Surat
201	Copy-Move Forgery Detection Using ASIFT	Anurag Das, National Institute of Technology, Silchar; Abhishek Medhi, National Institute of Technology, Silchar; Lavanya Swetha Gudimetla, National Institute of Technology, Silchar; Ram Karsh, National Institute of Technology, Silchar; Utkarsh Arya, National Institute of Technology Uttarakhand; Rohit

Paper ID	Paper Title	Author name
		Agarwal, Jalpaiguri Government Engineering College, West Bengal
234	Invisible Watermarking In Printed Images	Nyatha Kumar; Sreelatha Koyya; Sunil Kumar Sreenidhi Institute of Science and Technology Hyderabad
251	A Novel Approach for Salient Region Detection	Suresh Raikwar; Ruchira Manke, Charul Bhatnagar GLA University, Uttar Pradesh
274	Detection And Analysis of Oil Spill in Ocean for Reduced Complexity in Extraction using Image Processing	Vignajeth K K, Anna University Tamil Nadu; Abhishek Hariharan, Velammal Institute of Technology Tamil Nadu; Jijendiran Ravichandran, Velammal Institute of Technology, Tamil Nadu
275	An Efficient PDE-Based Nonlinear Filter Adapted to Rician Noise for Restoration and Enhancement of Magnetic Resonance Images	Ram Yadav; Subodh Srivastava; Rajeev Srivastava Indian Institute of Technology BHU
278	An Efficient Compression Technique for ITU-T Group 3 Coded Images using Variable Length Codes with Reduced Average Length	Tadikonda Kavitha, MVSR Engineering College Hyderabad; Kottareddy Jayasankar, Vasavi College of Engineering, Hyderabad

13 August 2016 -- 1.45pm-3.15pm		
Technical Session 2: Data Mining & Data Warehousing-II		
Paper ID	**Paper Title**	**Author name**
321	Hybrid Support Vector Machine and Artificial Neural Network on Numeric Dataset	Shreya Ailawadi; Vrinda Shandilya; Parul Kalra; Deepti Mehrotra Amity University, Noida
369	HCAB: Health Care Analysis and Data Archival using Big Data Tool	Priyanka Dhaka; Rahul Johari Guru Gobind Singh Indraprastha University Delhi
373	Educational Data Mining and Its Role in Determining Factors affecting Students Academic Performance : A Systematic Review	Leena Khanna, Amity School of Engineering and Technology Noida; Shailendra Singh, Amity School of Engineering and Technology Noida; Mansaf Alam, Jamia Milia Islamia Delhi

376	Outlier Detection using Cluster Analysis for Fixed Income Bonds	Gaurav Agarwal, Markit India; Gaurav Dubey, Amity University Noida; Sudha Agarwal, TCS Noida
423	Disease Prediction using Hybrid K-means and Support Vector Machine	Sandeep Kaur; Sheetal Kalra Guru Nanak Dev University, Punjab
439	Literature Study on Multi-Document Text Summarization Techniques	Chintan Shah, Shankersinh Vaghela Bapu Institute of Technology Gujarat; Anjali Jivani, The Maharaja Sayajirao University of Baroda, Gujarat
441	Implementation of Temporal Functionality in Object with Roles Model (TFORM)	Shailender Kumar, Ambedkar Institute of Advanced Communication Technologies and Research, Delhi; Rahul Rishi, University Institute of Engineering & Technology, Haryana; Rupender Duggal, Ambedkar Institute of Advanced Communication Technologies and Research, Delhi

13 August 2016 -- 3.30pm-5.00pm
Technical Session 4: Image and Signal Processing-IV

Paper ID	Paper Title	Author Name
298	Performance Comparison of Edge Detection Algorithms for Satellite Images using Bigdata Platform Spark	Tapan Sharma, Amity University, Noida; Vinod Shokeen, Amity University Noida; Sunil Kumar, Maharaja Agrasen Institute of Technology Delhi
316	Analysis of Surface Electromyogram signals using Integrated Bispectrum	Rinki Gupta Amity University, Noida
335	Performance Analysis of Wavelet Filter Bank for an Image Super Resolution Algorithm	Upendra Bhatt; Annapurna Singh; Govind Ballabh Pant Engineering College, Uttarakhand
343	FireFly Algorithm for Edge Detection	Deepika Verma; Government Engineering College Ajmer
367	Low Cost Implementation of Concurrent Decision Feedback Equalizer using Distributed Arithmetic	Tasleem Khan; Prof. Shaik Rafi Ahamed, Indian Institute of Technology Guwahati
380	Extraction of Feature based on Wavelet Packet	Nivedita Singh

	Transform	Gautam Buddha University, Noida
381	Classification of Brain MR Images and Tumor Extraction with Improved Segmentation System	Manmohan Singla; Shishant Sharma Amity School of Engineering & Technology, Noida
388	Sparse Coding based Robust Image Denoising via Coupled Dictionary	Kuldeep Singh, Bharat Electronics Ltd; Dinesh Vishwakarma, Delhi Technological University Delhi; Gurjit Singh Walia, Defense Research and Development Organization, Delhi; Rajiv Kapoor, Delhi Technological University Delhi

13 August 2016 -- 3.30pm-5.00pm		
Session Chairs:		
Paper ID	**Paper Title**	**Author Name**
50	An Efficient Video Watermarking Approach using Scene Change Detection	Jeebananda Panda; Prince Garg Delhi Technological University Delhi
398	JOSN: JAVA Oriented Question-Answering System Combining Semantic Web and Natural language Processing Techniques	Shally Garg; Dr. Suresh Poonia Ambedkar Institute of Advanced Communication Technologies & Research Delhi
412	Cue Point based Approach for Graphical User Authentication	Salim Istyaq; Shubham Aligarh Muslim University, Aligarh
346	Data Security using RSA Encryption combined with Image Steganography	Shubhi Mittal; Shivika Arora; Rachna Jain, Bharati Vidyapeeth College of Engineering Delhi
489	EERA: Energy Efficient Reliable Routing Algorithm for WSN	Nasir Shah, Birla Institute of Technology Mesra
508	A Stochastic Geometry Analysis of RF Energy Harvesting based D2D Communication in Downlink Cellular Networks	Veerpal Kaur; Sharmeele Thangjam, University Institute of Engineering & Technology, Chandigarh
529	Centrality based Congestion Controlled Routing Protocol for Social Opportunistic Networks	Deepak Sharma; Sanjay Dhurandher; Amit Gupta; Ashray Anand, Netaji Subas Institute of Technology, Delhi
543	Relationship of Mobile Geo-location with PII and Behavioral Attributes	Siva Kumar Sudikonda; Venkata N Inukollu, University of Houston Clear Lake

13 August 2016 -- 3.30pm-5.00pm		
Technical Session 4: Soft Computing & Evolutionary Computing-IV		
Paper ID	**Paper Title**	**Author Name**
36	A Software Component Selection Technique based on Fuzzy Clustering	Jagdeep Kaur, The NorthCap University Gurgaon; Pradeep Tomar, Gautam Buddha University Noida
248	An Adaptive Decision Threshold Scheme for the Matched Filter Method of Spectrum Sensing in Cognitive Radio using Artificial Neural Networks	Atchutananda Surampudi; Kalimuthu K SRM University
263	Implementation of Phonetic Level Speech Recognition System for Punjabi Language	Shama Mittal; Rupinderdeep Kaur Thapar University Punjab
302	Designing of Reliable and Optimized Multicast Routing Protocols in MANETS	Neelam Sharma Maharaja Agrasen Institute of Technology, Delhi
340	Key Features for Designing Application User Interface for Visually Impaired	Rajat Jain; Sanchal Singh; Abha Thakral Amity University, Noida
365	Internet of Things: An approach for Advancement in Educational Institution	Rohini Sharma Panjab University, Punjab
468	Application of Different Machine Learning Techniques in Identifying Features of Protein Sequence Data	Swati Mishra; Mukesh Kumar; Santanu Rath National Institute of Technology, Rourkela
525	A Survey of Near-Duplicate Detection Approaches for Web Crawler	Shashank Panwar Thapar University, Punjab
540	Neural Networks Approach for Evaluating Quality Of Service in Public Transportation in Rural Areas	Makrand Wagale; Ajit Pratap Singh Birla Institute of Technology and Science, Pilani

Day 3: 14 August 2016

14 August 2016 -- 9.30am-11.00am		
Technical Session 5: Image and Signal Processing-V		
Paper ID	**Paper Title**	**Author Name**
393	Iris Anti-Spoofing under Varying Illumination Conditions	Abhilasha Malhotra; Rashmi Gupta Ambedkar Institute of Advanced Communication Technologies and Research Delhi
401	Detect Mass Tissue in Lung Images Using Discrete Wavelet Transformation	Mukesh Arya; Bhumika Gupta Govind Ballabh Pant Engineering College Uttarakhand
404	Determination of Noise Variances for Optimality of Kalman Filter	Manasi Priyadarshini; Ajit Sahoo National Institute of Technology Rourkela
417	Efficient Detection of Brain Tumor from MRIs using K-Means Segmentation and Normalized Histogram	Garima Singh Gautam Buddha University Noida
443	Supervised Segmentation of Overlapping Cervical Cells	Abhishek Somani; Debashree Kashyap; Jatin Shekhar Amity University Noida
461	Feature Extraction in Enhancing Speech Signal for Mobile Communication	Purushotham U, Dayananda Sagar College of Engineering Karnataka; Dr. Suresh K, SDM Institute of Technology, Karnataka
470	Contrast Enchantment of CBCT Images using Bi-Histogram Method with Soft Plus Activation Function for Dentistry	Anita Thakur; Mayank Malik; Nishtha Phutela Amity University Noida
494	High Throughput Adaptive Block FIR Filter Using Distributed Arithmetic	Amrita Tiwari; Prashant Kumar; Manish Tiwari Motilal Nehru National Institute of Technology Allahabad
256	Security Measures for the Big Data, Virtualization and the Cloud Infrastructure	Saurabh Bahulikar Sinhgad College of Engineering, Savitribai Phule Pune University,

14 August 2016 -- 9.30am-11.00am		
Technical Session 3: Data Mining & Data Warehousing-III		
Paper ID	**Paper Title**	**Author Name**
459	Generating Word Clusters by Graph Clustering based on Hearst Patterns	Gaurav Saxena; Manraj Grover; Shampa Chakervarty Netaji Subhas Institute of Technology, Delhi
466	Universal Networking Language: A framework for Emerging NLP Applications	Kanu Goel; Parteek Bhatia Thapar University Punjab
474	Predicting Trends in Air Pollution in Delhi Using Data Mining	Shweta Taneja; Yash Navoria; Nidhi Sharma; Kettun Oberoi Bhagwan Parshuram Institute of Technology New Delhi
475	Improving Classification in Data Mining using Hybrid Algorithm	Akanksha Ahlawat; Bharti Suri Guru Gobind Singh Indraprastha University, Delhi
480	Time Series Forecasting of Stock Market Index	Udit Aggarwal; A. Sai Sabitha Amity University Noida
482	A Novel Approach for the Identification of Writing Traits on Email Database	Pranjal Bogawar Priyadarshini College of Engineering, Nagpur
485	Sentiment Analysis of Movie Reviews Using Heterogeneous Features	Rachana Baldania Dharmsinh Desai University Gujarat
486	Ontology Based Disease Diagnosis System with Probabilistic Inference	Prerna Agarwal; Richa Verma; Anupama Mallik Indraprastha Institute of Information Technology, Delhi
537	Flight Crash Investigation using Data Mining Techniques	Shagun Sharma; A. Sai Sabitha Amity University